

HOOD CANAL – HAMMA HAMMA PINK

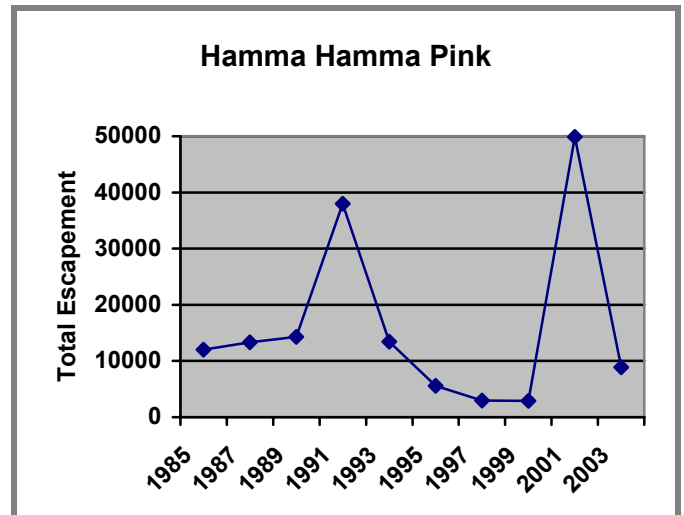
STOCK STATUS

1992 STATUS	2002 STATUS
Healthy	Healthy

STOCK STATUS RATING DATA

USEFULNESS FOR RATING STOCK STATUS: **Good**

YEAR	TOTAL ESCAPEMENT
1985	12,000
1987	13,300
1989	14,300
1991	38,000
1993	13,432
1995	5,593
1997	2,969
1999	2,903
2001	49,880
2003	8,903



Data are total escapements based on counts of live and dead spawners from RM 0.3 to 1.8 in the mainstem Hamma Hamma and from RM 0.0 to 1.0 in John Creek, a Hamma Hamma tributary.

Hamma Hamma pink escapements have been strong since 1983 with very large escapements in 1991 and 2001. The escapements for 1995, 1997, and 1999 are considerably lower but are still within the normal range of variation for the stock. Stock status is rated **Healthy** in 2002, however any further decline will result in a lower status rating.

STOCK DEFINITION

Hamma Hamma pinks were identified as a stock based on their distinct spawning distribution.

SPAWNING DISTRIBUTION: Most spawning takes place in the lower two miles of the mainstem Hamma Hamma River and in John Creek.

SPAWNING TIMING: Spawning generally occurs from September through early October.

GENETIC ANALYSIS: Allozyme analysis has shown that Hamma Hamma pinks are not genetically distinct from the Duckabush and Dosewallips pink stocks but are significantly different from pinks stocks beyond Hood Canal (Shaklee 2001). Separate stock status is based on the geographic distance among the stocks and the likely degree of reproductive isolation.

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STOCK ORIGIN

This is a **native** stock with **wild** production.